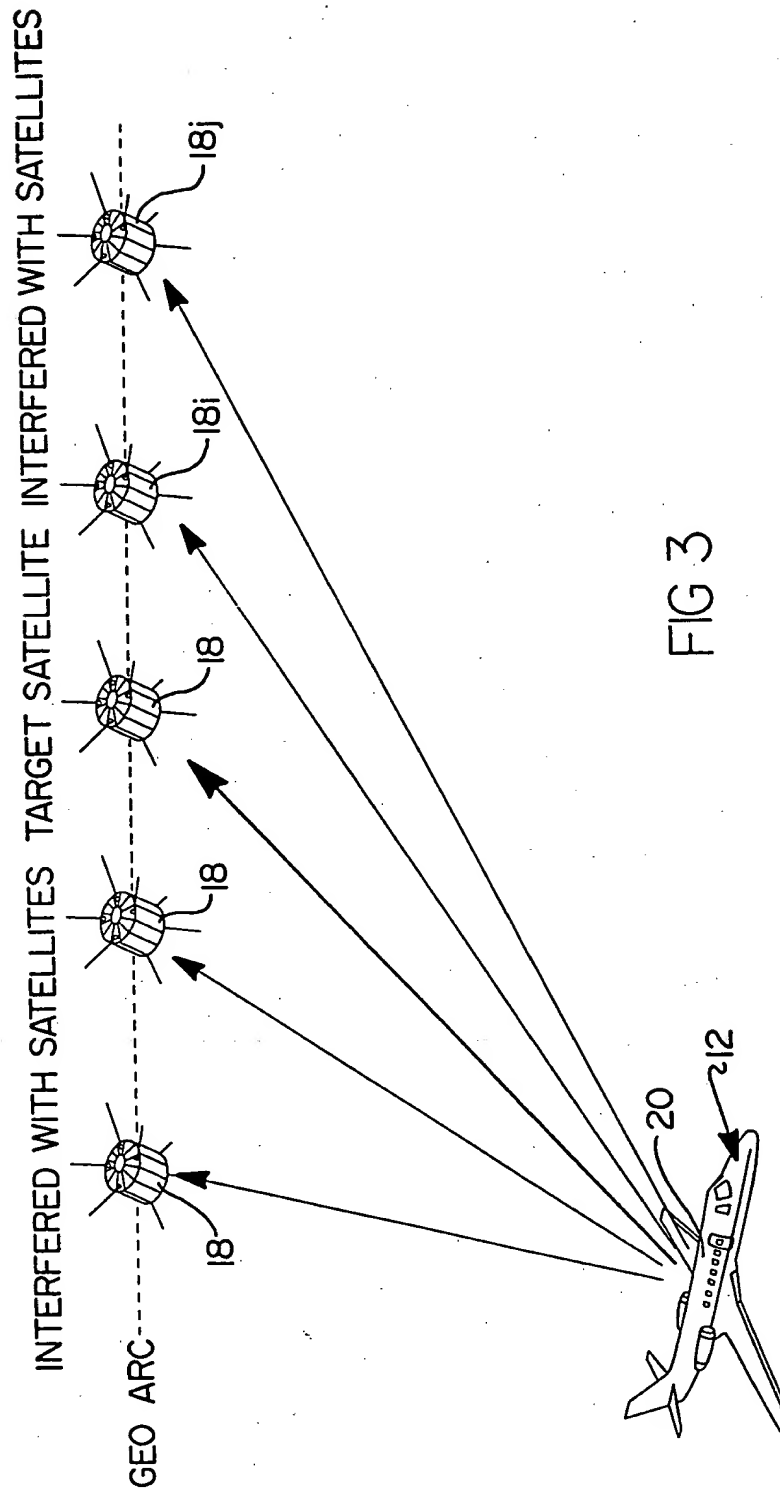


MOBILE SYSTEM (ONE PER PLATFORM)

FIG 2



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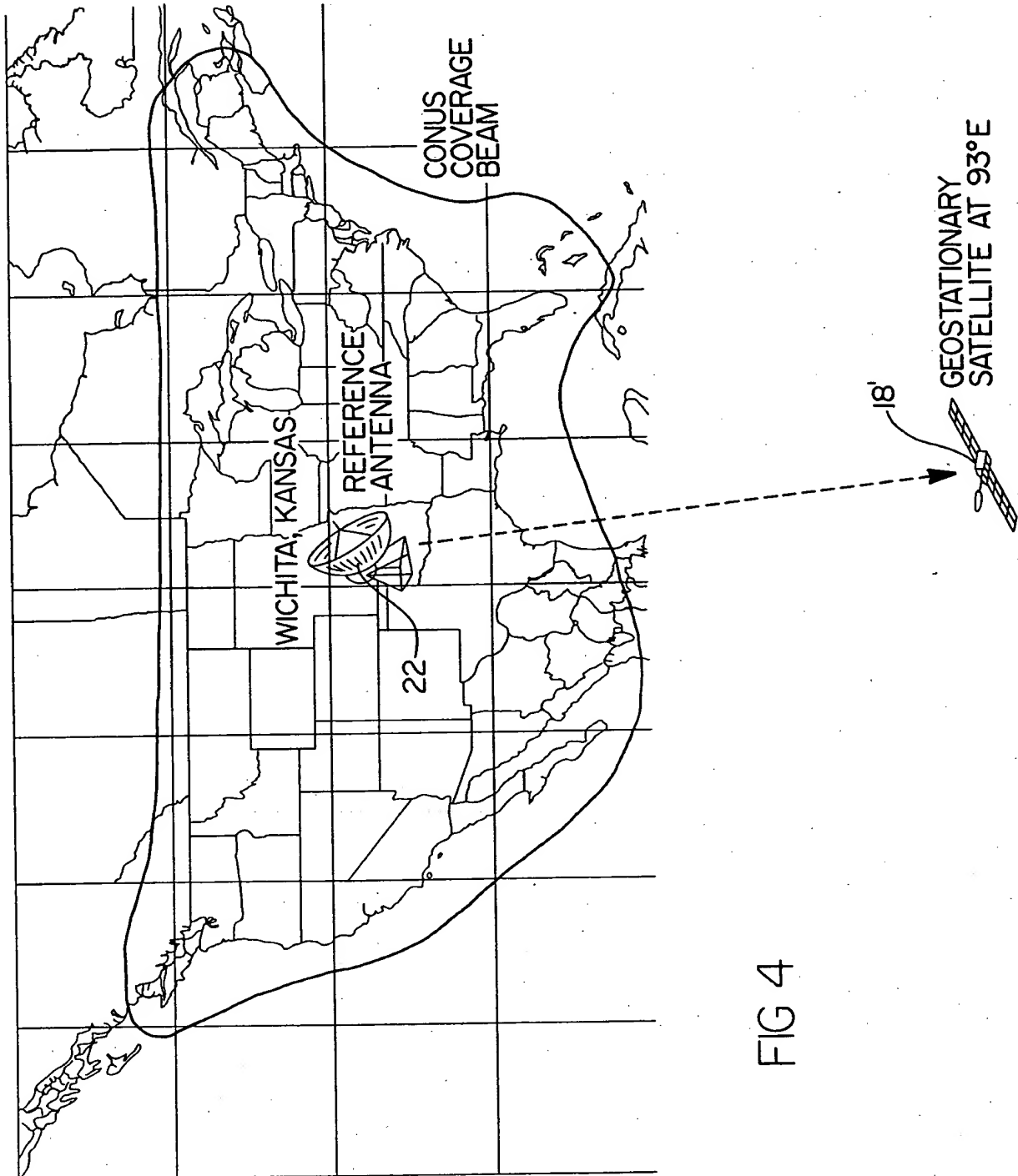


FIG 4

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FIG 5

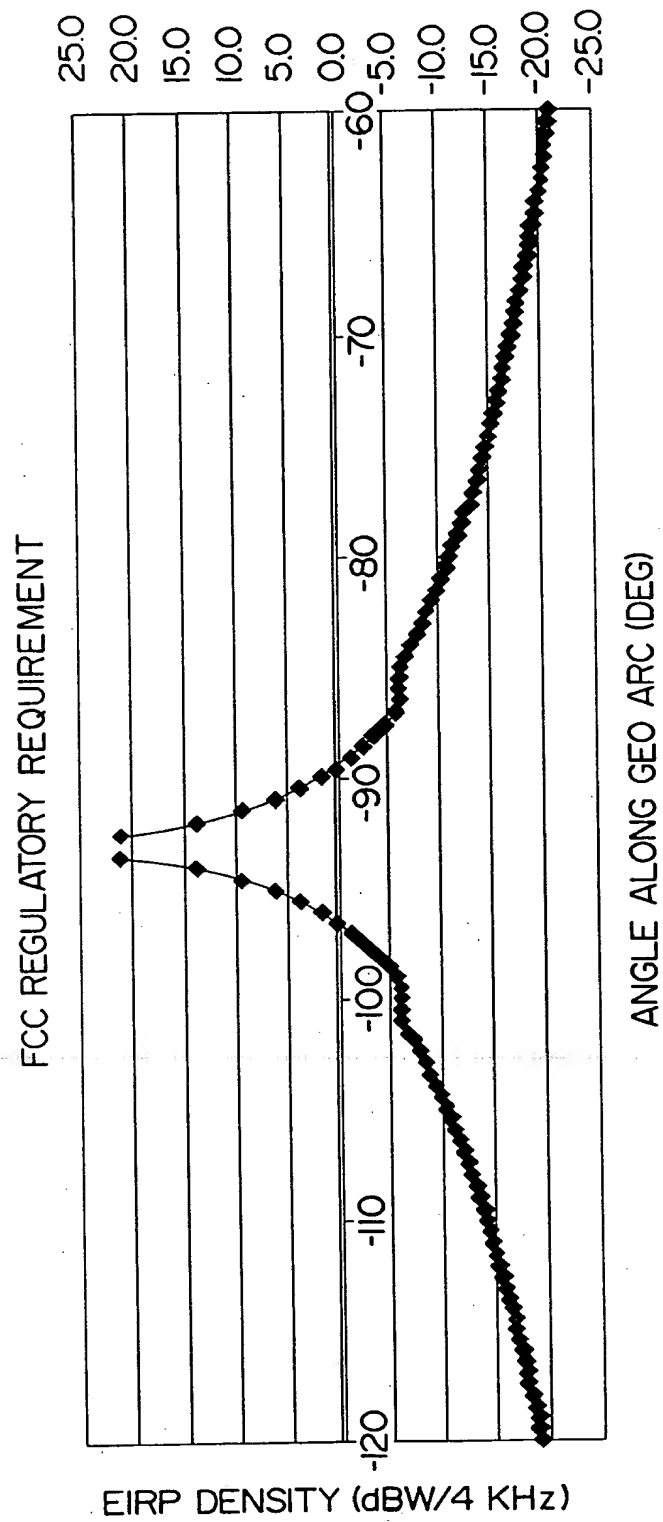
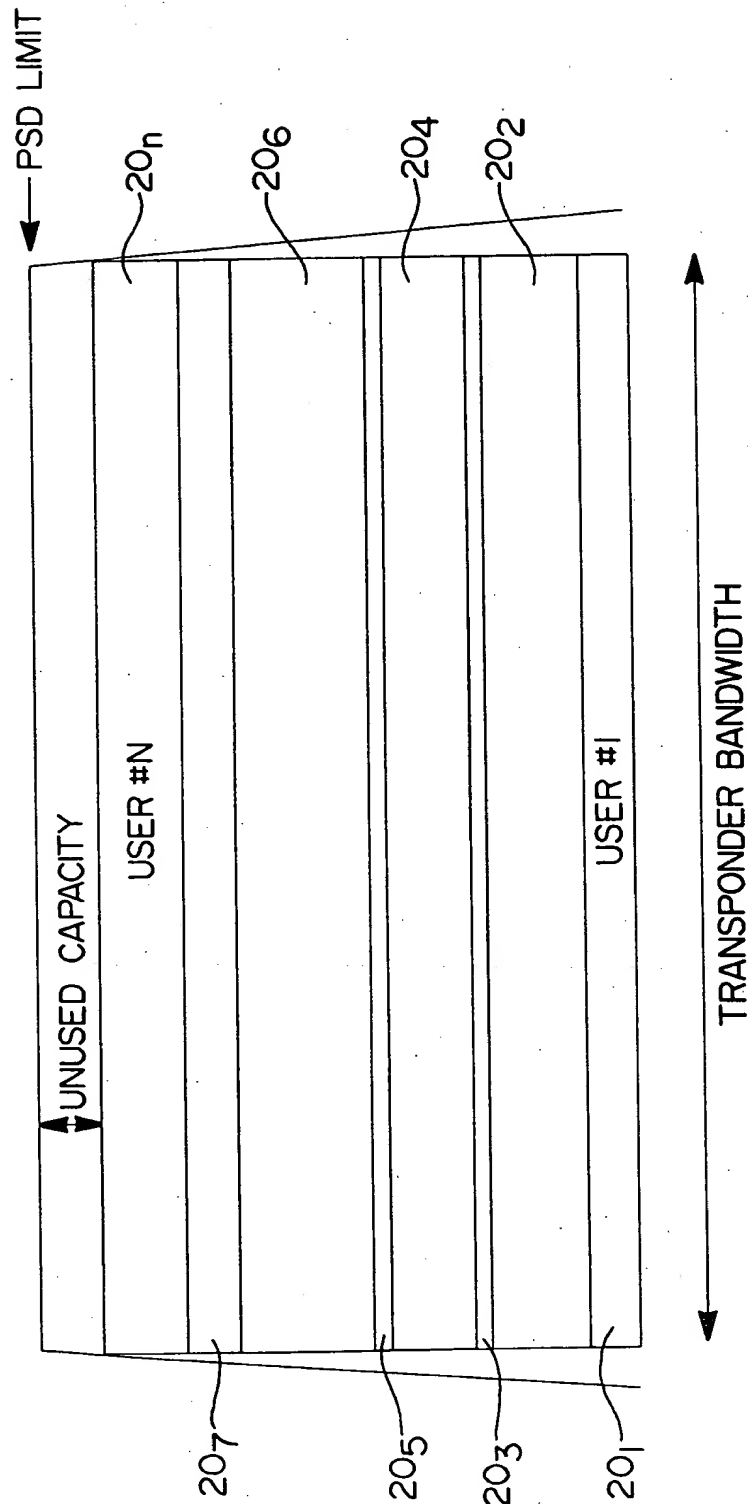


FIG 6



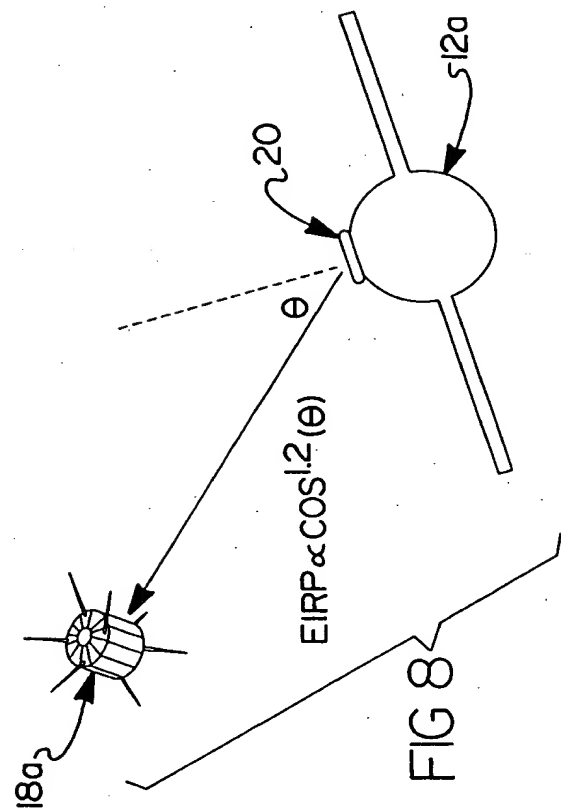
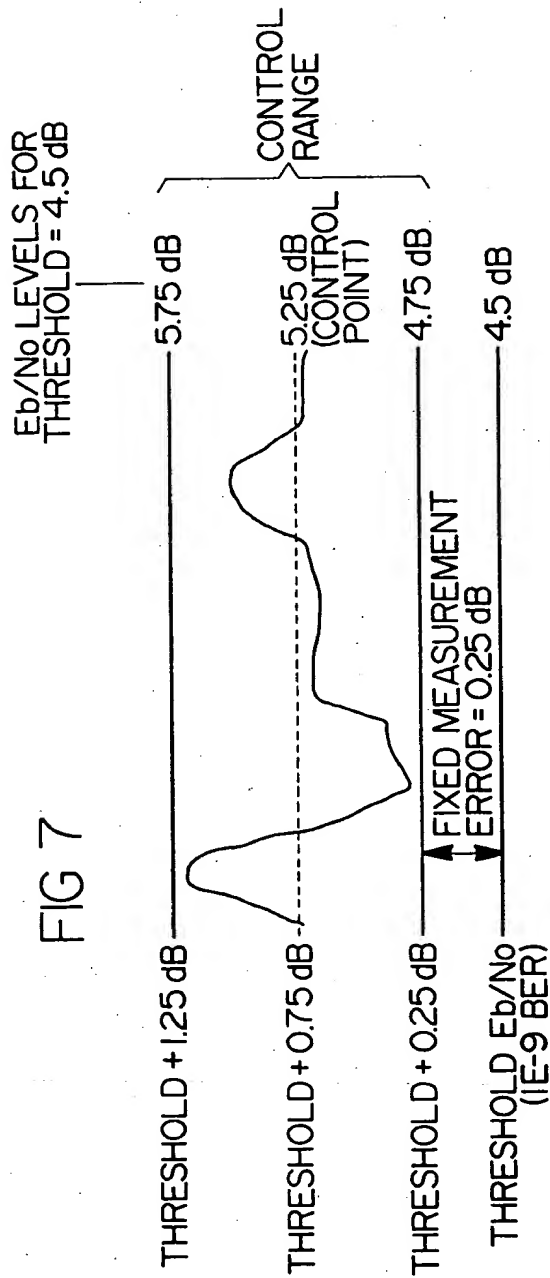
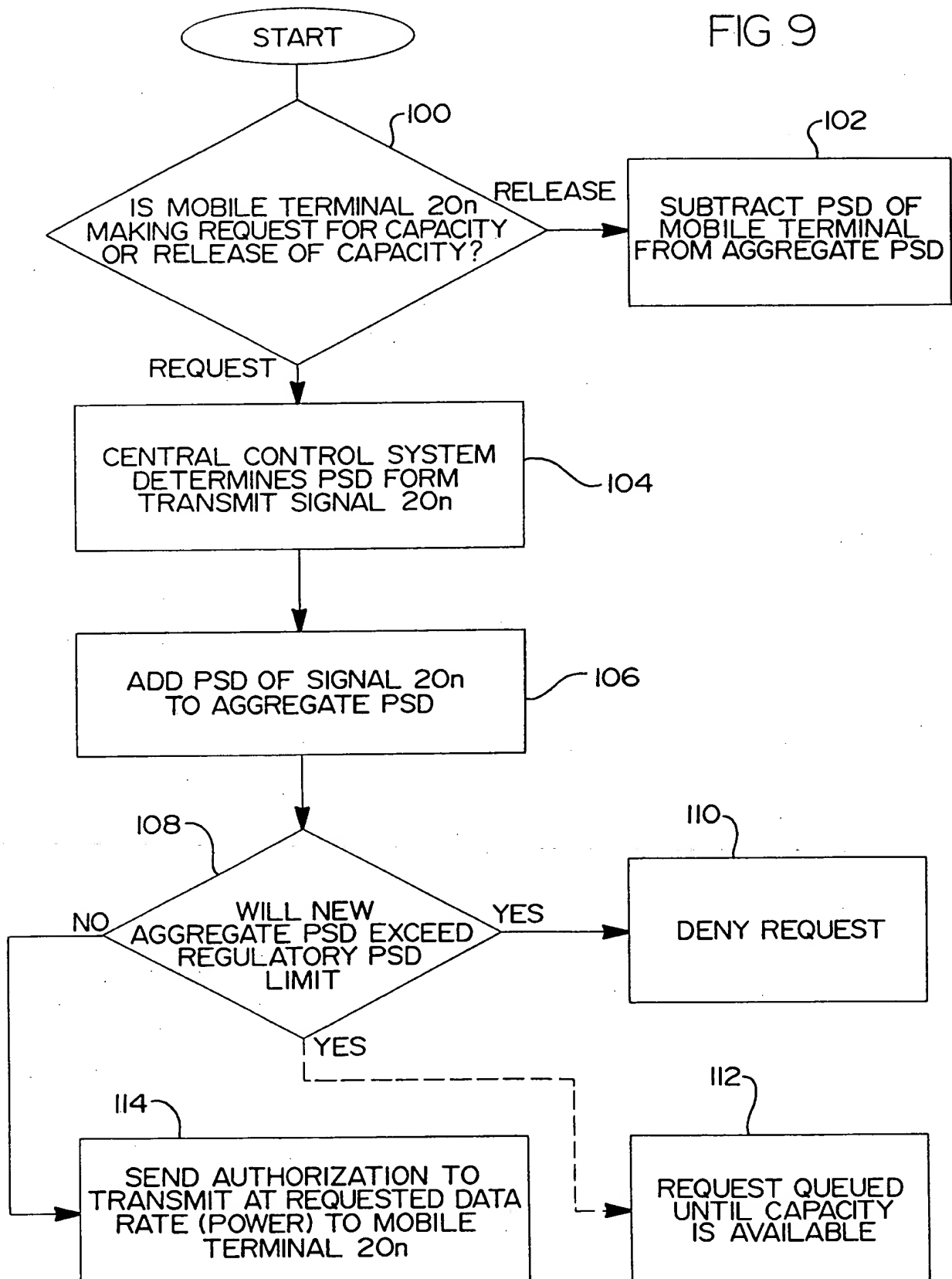


FIG 9



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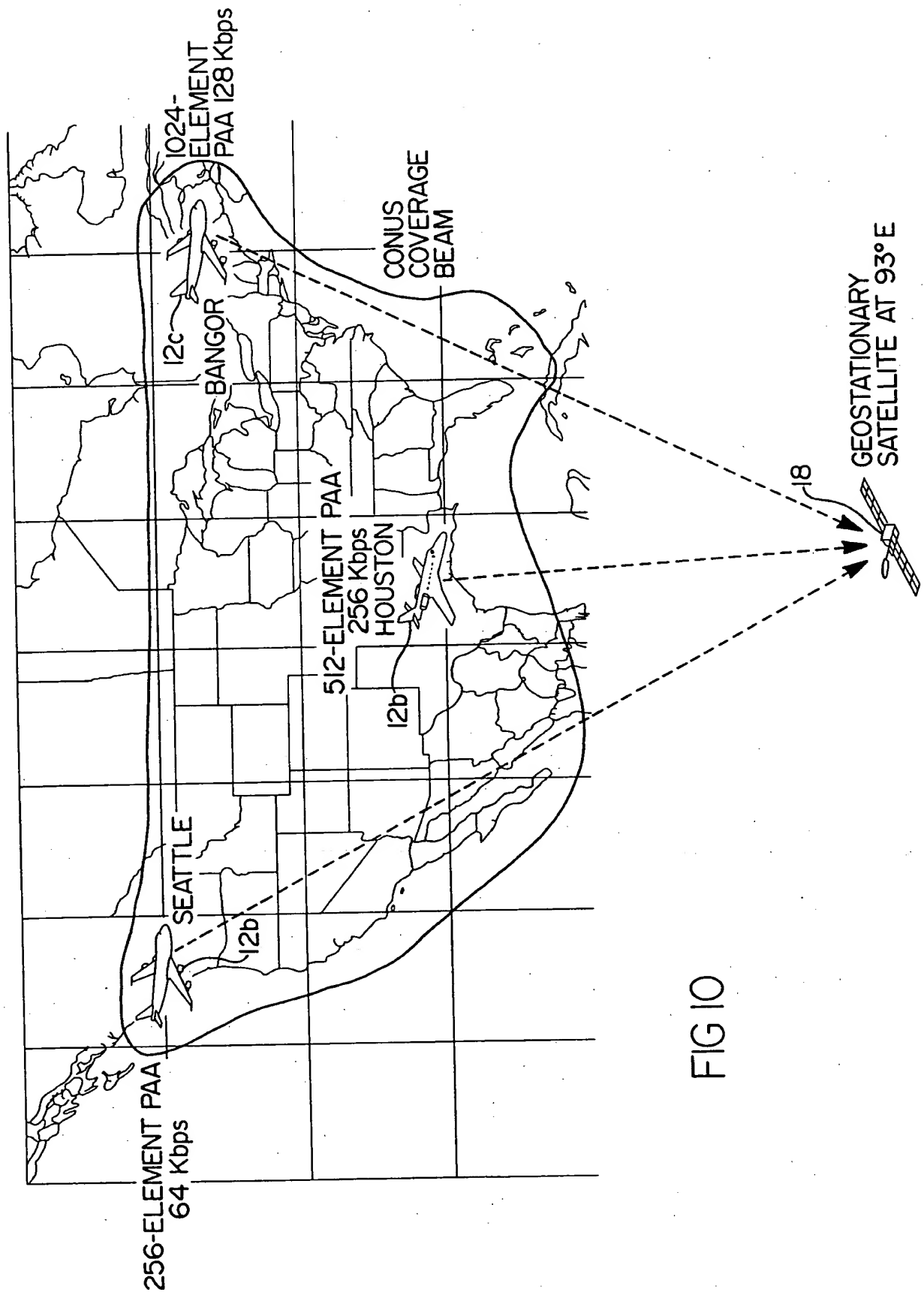
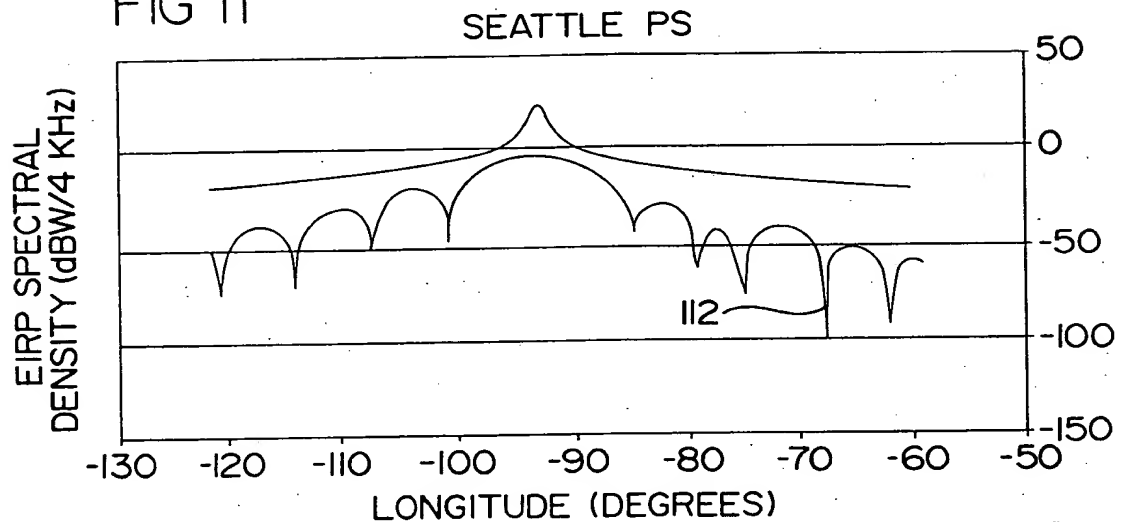


FIG 10

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256 ELEMENT
PHASED ARRAY ANTENNA,
34 dBW, 64 Kbps, SEATTLE

FIG 11



512 ELEMENT
PHASED ARRAY ANTENNA,
39 dBW, 256 Kbps, HOUSTON

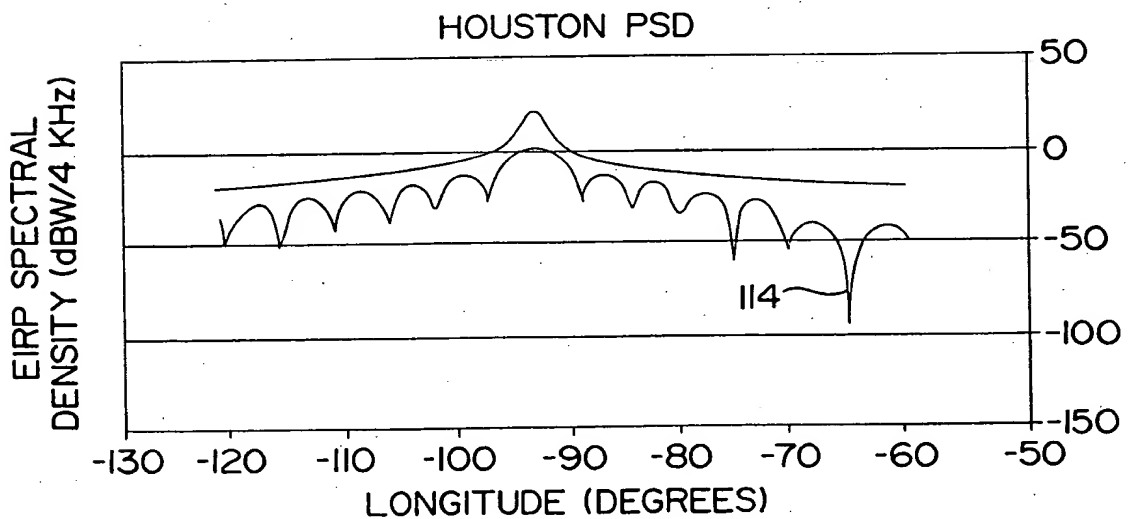
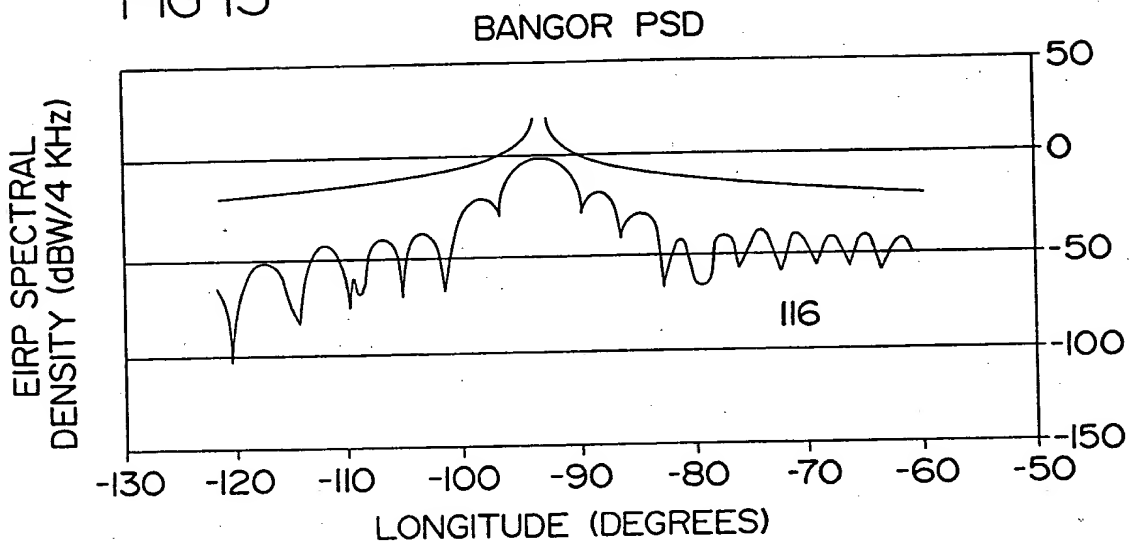


FIG 12

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1024 ELEMENT
PHASED ARRAY ANTENNA,
37 dBW, 128 Kbps, BANGOR

FIG 13



AGGREGATE PSD
FROM 3 DIFFERENT
USER TERMINALS

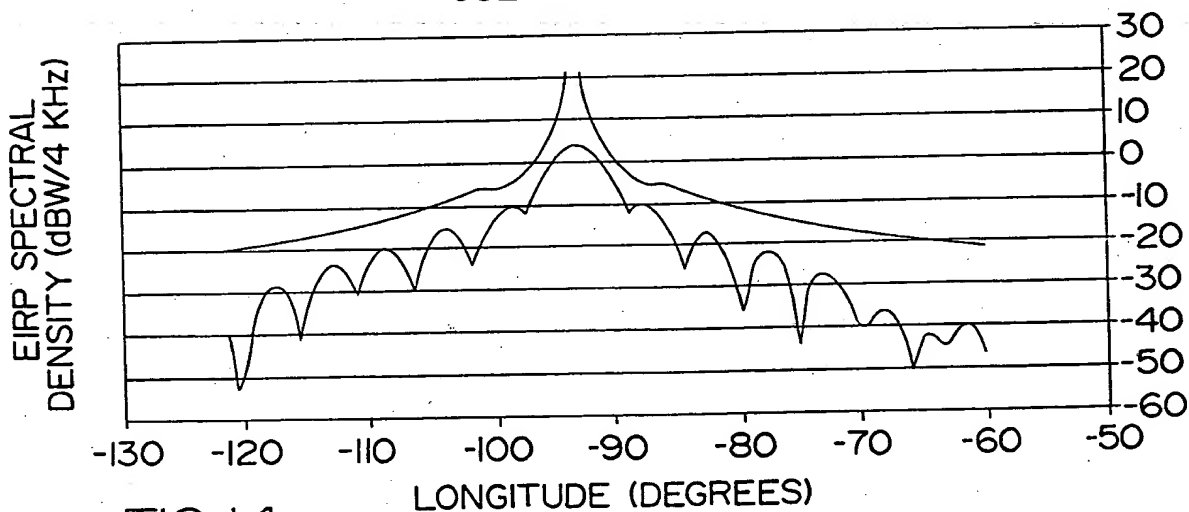


FIG 14

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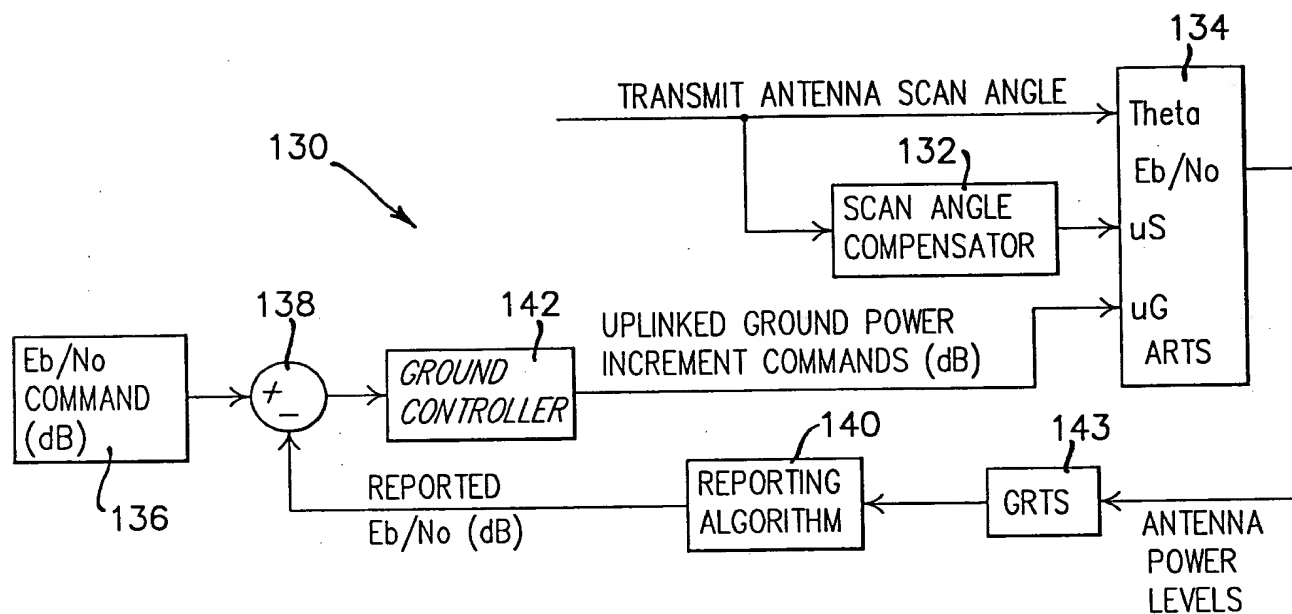


FIG 15

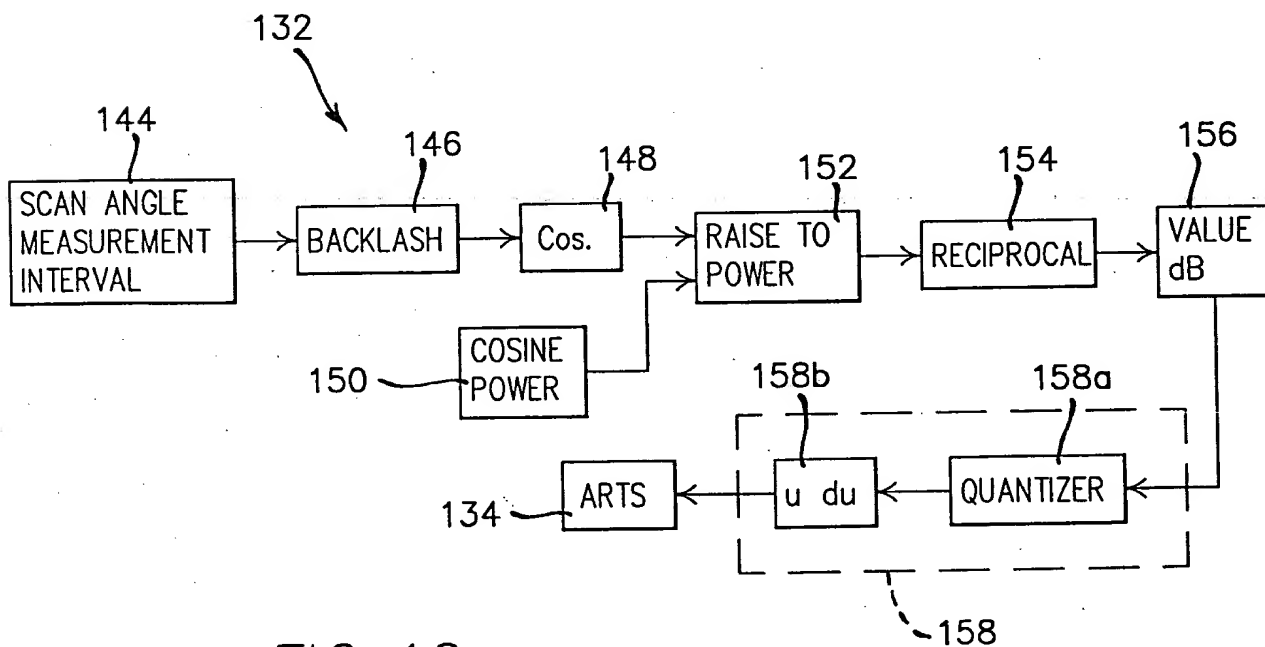


FIG 16

